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Claims:

1. A vaccine composition comprising polyoxyethylene ether or a polyoxyethylene ester, in combination with a pharmaceutically acceptable excipient, and an antigen or antigenic composition, wherein the polyoxyethylene ether or ester is not in the form of a vesicle.

2. A vaccine composition comprising a surfactant of formula (I): $HO(CH_2CH_2O)_n-A-R$ wherein, n is 1-50, A is a bond or -C(O)-, R is $C_{1.50}$ alkyl or Phenyl $C_{1.50}$ alkyl; a pharmaceutically acceptable excipient, and an antigen or antigenic composition,

wherein the surfactant is not in the form of a vesicle.

- 3. A vaccine composition as claimed in claim 2, comprising a surfactant of formula (I), wherein n is 4-24.
- 4. A vaccine composition as claimed in claim 2, comprising a surfactant of formula (I), wherein n is 9.
- 5. A vaccine composition as claimed in any one of claims 2 to 4, comprising a surfactant of formula (I), wherein R is C_{8-20} alkyl or Phenyl C_{8-20} alkyl.
- 6. A vaccine composition as claimed in any one of claims 2 to 4, comprising a surfactant of formula (I), wherein R is C_{12} alkyl or Phenyl C_{12} alkyl.
- 7. A vaccine composition as claimed in any one of claims 2 to 6, comprising a surfactant of formula (I), wherein A is a bond, thereby forming an ether.
- 8. A vaccine composition as claimed in any one of claims 2 to 6, comprising a surfactant of formula (I), wherein A is -C(O)-, thereby forming an ester.
- 9. A vaccine composition as claimed in claim 1, comprising a polyoxyethylene ether or ester, selected from polyoxyethylene-9-lauryl ether, polyoxyethylene-9-lauryl ester, polyoxyethylene-9-steoryl ether, polyoxyethylene-8-steoryl ether polyoxyethylene-4-lauryl ether, polyoxyethylene-35-lauryl ether, polyoxyethylene-23-lauryl ether.
- 10. A vaccine composition as claimed in claim 2, comprising a surfactant selected from polyoxyethylene-9-lauryl ether, polyoxyethylene-9-lauryl ester, polyoxyethylene-9-steoryl ether, polyoxyethylene-8-steoryl ether, polyoxyethylene-4-lauryl ether, polyoxyethylene-35-lauryl ether, polyoxyethylene-23-lauryl ether.

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11. A vaccine composition as claimed in any one of claims 1 to 10, wherein the concentration of the surfactant is in the range 0.1-10%.

- 12. A vaccine composition as claimed in any one of claims 1 to 10, wherein the concentration of the surfactant is in the range 0.25-1%.
- 13. A vaccine composition as claimed in any one of claims 1 to 12, wherein the antigen or antigen composition is derived from the group comprising: Human Immunodeficiency Virus, Varicella Zoster virus, Herpes Simplex Virus type 1, Herpes Simplex virus type 2, Human cytomegalovirus, Dengue virus, Hepatitis A, B, C or E, Respiratory Syncytial virus, human papilloma virus, Influenza virus, Hib, Meningitis virus, Salmonella, Neisseria, Borrelia, Chlamydia, Bordetella, Streptococcus, Mycoplasma, Mycobacteria, Haemophilus, Plasmodium or Toxoplasma, stanworth decapeptide; or Tumor associated antigens (TMA), MAGE, BAGE, GAGE, MUC-1, Her-2 neu, LnRH, CEA, PSA, KSA, or PRAME.
- 14. A vaccine composition as claimed in any one of claim 1 to 13, further comprising other adjuvants.
- 15. A vaccine composition as claimed in any one of claim 1 to 13, further comprising other adjuvants selected from the group comprising: LT, CT, MPL, CpG, QS21.
- 16. A vaccine composition as claimed in claim 15, wherein the CpG adjuvant is: TCC ATG ACG TTC CTG ACG TT.
- 17. A vaccine composition as claimed in any one of claim 1 to 16, further comprising a vehicle, said vehicle comprising of any one of the following group: chitosan or other polycationic polymers, polylactide and polylactide-co-glycolide particles, particles composed of polysaccharides or chemically modified polysaccharides, or particles composed of glycerol monoesters.
- 18. Use of a polyoxyethylene ether or ester, in the manufacture of an adjuvant composition, wherein the polyoxyethylene ether or ester is present in the adjuvant composition in a non-vesicular form.
- 19. Use of a surfactant of general formula (I), in the manufacture of an adjuvant composition, wherein the surfactant of general formula (I) is present in the adjuvant composition in a non-vesicular form.

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20. Use of vaccine composition as defined in any of claims 1 to 17, for the manufacture of a vaccine for the treatment of viral, bacterial, parasitic infections, allergy, or cancer.

- 21. A method of treating a mammal suffering from or susceptible to a pathogenic infection, or cancer, or allergy, comprising the administration of a safe and effective amount of a composition according to any of claims 1 to 17.
- 22. A method of treating a mammal suffering from or susceptible to a pathogenic infection, or cancer, or allergy, comprising the mucosal administration of a safe and effective amount of a composition according to any of claims 1 to 17.
- 23. A method of treating a mammal suffering from or susceptible to a pathogenic infection, or cancer, or allergy, comprising the intranasal administration of a safe and effective amount of a composition according to any of claims 1 to 17.
- 24. A process for making a vaccine composition according to claim 1, comprising admixing a polyoxyethylene ether or ester, a pharmaceutically acceptable excipient, and an antigen or antigenic composition.
- 25. A process for making a vaccine composition as claimed in any one of claims 2 to 17, comprising admixing a surfactant of general formula (I), a pharmaceutically acceptable excipient, and an antigen or antigenic composition.
- 26. An adjuvant composition comprising polyoyethylene ether or ester, and a pharmaceutically acceptable excipient, characterised in that said adjuvant composition is not in the form of a vesicle.
- 27. A vaccine or adjuvant as claimed herein for use as a medicament.